



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/740,177	12/18/2000	Hollis Newcomb White	7552	7460
7590 08/08/2005				
WILLIAM S. LIGHTBODY 32600 FAIRMOUNT BLVD., 100 PEPPER PIKE, OH 44124			EXAMINER ELEY, TIMOTHY V	
			ART UNIT 3724	PAPER NUMBER

DATE MAILED: 08/08/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/740,177

Applicant(s)

WHITE, HOLLIS NEWCOMB

Examiner

Timothy V. Eley

Art Unit

3724

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 20 May 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 2,24-26,29 and 31-38 is/are pending in the application.
- 4a) Of the above claim(s) 29 is/are withdrawn from consideration.
- 5) ☒ Claim(s) 2 and 24-26 is/are allowed.
- 6) ☒ Claim(s) 31,32 and 37 is/are rejected.
- 7) ☒ Claim(s) 33-36 and 38 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

Art Unit: 3724

**DETAILED ACTION**

***Allowable Subject Matter***

1. The indicated allowability of claims 31,32, and 37 is withdrawn in view of the newly discovered reference(s) to Verega(4,274,231), Johanson(2,373,187), and Jones et al(2,327,272). Rejections based on the newly cited reference(s) follow.
2. Claims 33-36, and 38 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
3. Claims 2,24,25, and 26 are allowed.

***Specification***

4. The disclosure is objected to because of the following informalities:
  - Numeral "150"(page 9, line 15) is not seen in the drawings.Appropriate correction is required.

***Claim Rejections - 35 USC § 102***

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

Art Unit: 3724

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

6. Claims 31, 32, and 37 are rejected under 35 U.S.C. 102(b) as being anticipated by either Verega(4,274,231), Johanson(2,373,187), and Jones et al(2,327,272), each considered independently.

- Verega, Johanson, and Jones et al, each discloses, a system utilizing a fine grinding wheel, the wheel having a fine grinding surface with an outer extent neighboring an outside circumference. Each grinding wheel may be considered to have an outer extent, which is essentially the peripheral grinding edge(or face, and the outside circumference is at the location where the grinding edge meets the radial face of the grinding wheel. Further, the grinding wheels are used in a system having a "production assembly"(as broadly recited by applicant), the outer 20-40% of the outer extend(or peripheral grinding edge or face) having a convex shape, and the outer 20-40% of the outer extent of the grinding wheel being dressed to the convex shape utilizing at least part of the production assembly. Since each grinding wheel is dressed in situ, the means used to rotate the grinding wheel for processing a workpiece(part of the production assembly), is also used to rotate the wheel in order to dress the complete grinding surface, and thus at least part of the production assembly is used. In Veraga, see figures 4 and 5, column 2, lines 19-35(part of the production assembly), column 3, lines 10-65, and column 5, lines 1-6(which indicates additional

Art Unit: 3724

use of part of the production assembly). In Johanson, see figures 1,5 and 9, page 1, lines 1-4, and lines 20-35. In Jones et al, see figures 1 and 2, page 1, left column, lines 1-22, and lines 49-end to page 1, right column, lines 1-5, page 2, left column, lines 22-26, and page 3, right column, lines 7-10.

#### **Conclusion**

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

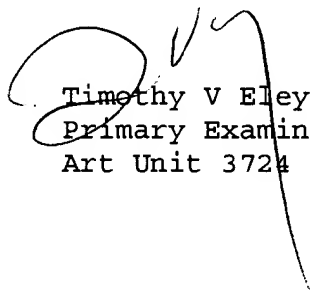
- The newly cited prior art discloses means for dressing a convex shape on a grinding wheel.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Timothy V. Eley whose telephone number is 571-272-4506. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Allan N. Shoap can be reached on 571-272-4514. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 3724

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Timothy V Eley  
Primary Examiner  
Art Unit 3724

tve